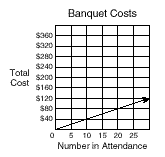
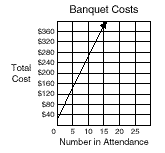
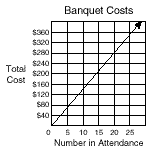
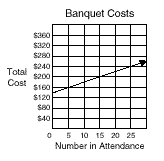
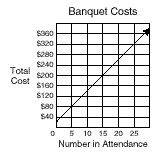
**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Honors Algebra I**

**The following problems are due Monday, October 27th. You may use any resource to solve these problems except if that resource is a person. You have been previously taught these standards. On Thursday of this week I will set aside 5 minutes to help you with any questions you may have in solving these problems. YOU MUST SHOW ALL WORK!**

|  |  |
| --- | --- |
| **Banquet Costs** | |
| **Number in Attendance** | **Total Cost** |
| 10 | $140 |
| 15 | $200 |
| 20 | $260 |

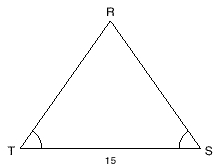
1.) A math club planned a banquet at a local restaurant. The restaurant agreed to charge $20 for the banquet room, plus $12 for each person attending. The chart shows the total cost for 10, 15, and 20 people attending the banquet.

Which graph below shows the same information as the chart?

A) B) C) D) E)

2.) An hour of vacuuming or making beds uses 240 calories. This is 40% of the number of calories burned by jogging for 1 hour. What is the total number of calories burned by jogging for 2 hours?

3.)RST is an isosceles triangle with http://www.tea.state.tx.us/student.assessment/resources/online/exit00/math/angle.gifS congruent to http://www.tea.state.tx.us/student.assessment/resources/online/exit00/math/angle.gifT. The perimeter of the triangle is 41 units.



What is the length of side RS?

4.) Two groups of tourists each have 60 people. If 3/4 of the first group and 2/3 of the second group board buses to travel to a museum, how many more people in the first group board buses than in the second group?

|  |
| --- |
| 5.) The tank measures 10 meters by 15 meters by 12 meters. What is the volume of   ½  of the tank? |
| http://www.tea.state.tx.us/student.assessment/resources/online/exit99/math/p27no20.gif |

6.) In his coffee machine at home, Harry uses 3 scoops of coffee and 7 cups of water. About how many scoops of coffee would Harry need to use with 12 cups of water?

7.) Emily is a girls' basketball coach. Her team has won 138 games. If she has won 86.25% of her games, how many games has Emily’s team lost?